NOAA KLM USER'S GUIDE

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Edited by:

Geoffrey Goodrum
Katherine B. Kidwell
Wayne Winston

Contributors:

Roberto Aleman	**Geof Goodrum**	**Tsan Mo**	**Irving Ruff**
Joe Askew	**Axel Graumann**	**Bob Muckle**	**John Sapper**
Dudley Bowman	**Phil Green**	**Sam Patterson**	**Jerry Sullivan**
Stan Brown	**Emily Harrod**	**Norm Peterski**	**Jeremy Throwe**
Ellen Brown	**Mary Hollinger**	**Walt Planet**	**Dave Wark**
Wendell Clouse	**Jack Knoll**	**Bruce Ramsay**	**Mike Weinreb**
Doug Fineberg	**Sergey Krimchansky**	**Nagaraja Rao**	**Wayne Winston**
Larry Flynn	**Larry McMillin**	**George Robinson**	**Tom Wrublewski**
Harold Goldberg	**Tony Miller**	**Doug Ross**	**Tom Kleespies**

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
CLIMATE SERVICES DIVISION
SATELLITE SERVICES BRANCH
Federal Office Building #3, Room G-227
Suitland, MD USA 20746
Telephone: (301) 457-5100
Fax: (301) 457-5105
Email: ncdc.satorder@noaa.gov

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LIST OF ACRONYMS AND ABBREVIATIONS

A/D	Analog/Digital
AC	Alternating Current
ACF	Albedo Correction Factor
ADACS	Attitude Determination and Control Subsystem
ADE	Array Drive Electronics
AELDS	Advanced Earth Location Data System
AFGWC	Air Force Global Weather Central
AFSCN	Air Force Satellite Control Network
AFTN	Aeronautical Fixed Telecommunications Network
AGC	Automatic Gain Control
AGS	Ascent Guidance Software
AIP	AMSU Information Processor
AKM	Apogee Kick Motor
AM	Amplitude Modulation
AMSAT	Radio Amateur Satellite Corporation
AMSU	Advanced Microwave Sounding Unit
AMSU-A	Advanced Microwave Sounding Unit-A
AMSU-B	Advanced Microwave Sounding Unit-B
APT	Automatic Picture Transmission
ARIA	Advanced Range Instrumented Aircraft
ARS	Archive Retrieval System
asc	ascending
ASCII	American Standard Coded Information Interchange
ASE	Available Solar Energy
ASR	Available Solar Radiation

ATN	Advanced TIROS-N
ATOVS	Advanced TIROS Operational Vertical Sounder
AVHRR/3	Advanced Very High Resolution Radiometer Version 3
BCA	Battery Charge Assembly
BIP	Band Interleaved by Pixel
BM	Brouwer Mean
bps	bytes per second
BRDF	Bidirectional Reflectance Distribution Function
BRU	Battery Reconditioning Unit
BT	Brightness Temperature
BTX	Beacon Transmitter
C	Celsius or Centigrade
CAC	Climate Analysis Center
CCR	Cloud Cover Radiometer
CCS	Command and Control Subsystems
CCR	Contractor Change Request
CCT	Computer Compatible Tape
CCW	counter clockwise
CD	Coefficient of Drag
CDA	Command and Data Acquisition
CDEM	Continuous Dynode Electron Multiplier
CEMES	Centre d'Etudes de la Meteorologie Spatiale (France)
CEMSCS	Central EnvironMental Satellite Computer System
CGMS	Coordination Group for Meteorological Satellites
Ch	Channel
CIU	Control Interface Unit

cm	centimeter
CMMD VER	Command Verification
CNES	Centre National D'Etudes Spatiales (France)
CODATA	Committee on Data for Science and Technology (International Council for Science)
CPC	Controls Power Converter
CPIDS	Calibration Parameters Input Data Sets
CSP	Calibration Start Pulse
CU	Control Unit
CW	Clockwise
D/A	Digital/Analog
DACS	Data Acquisition And Control Subsystems
DAU	Decryption Authentication Unit
dB	decibel
dBm	decibels per milliwatt
dBW	decibels referenced to a watt
DC	Direct Current
DCS/2	Data Collection System/2
desc	descending
DHS	Data Handling Subsystem
DIGB	Digital “B”
DMSP	Defense Meteorological Satellite Program
DOD	Department of Defense
DPD	DCS/SAR Processor Diplexer
DPSS	Data Processing and Services Subsystem
DPU	Data Processing Unit
DR	Data Record

DRU	Data Recovery Unit
DSB	Direct Sounder Broadcast
DSN	Digital Signal (level) N
DTR	Data Transfer Rate
EAA	Equal Areas/Equal Aspect
EBCDIC	Extended Binary Coded Decimal Interchange Code
ECAL	Electronic Calibration
ECF	Earth Centered Fixed [coordinate system]
EDR	Environmental Data Record
ELM	Electronics Module
ELT	Emergency Locator Transmitters
EMI	ElectroMagnetic Interference
EOF	End of File
EPIRB	Emergency Position Indicating Radio Beacon (located by SARSAT)
ERBE	Earth Radiation Budget Experiment
ESA	Earth Sensor Assembly ElectroStatic Analyzers
ESM	Equipment Support Module
ETSR	extraterrestrial solar spectral irradiance
EU	Electronic Unit Engineering Units
EUMETSAT	European Organization for the Exploitation of Meteorological Satellites
eV	electron volts
FGGE	First GARP Global Experiment
FIFO	First In First Out
FM	Frequency Modulation
FNMOC	Fleet Numerical Meteorology and Oceanography Center (NAVY)

FOV	Field of View
FTP	File Transfer Protocol
FW	Filter Wheel
FWHM	Full Width at Half Maximum
GAC	Global Area Coverage
GARP	Global Atmospheric Research Program
GCMD	Global Change Master Directory
GDO	Gunn Diode Oscillator
GHA	Greenwich Hour Angle
GHz	GigaHertz
GMS	Geostationary Meteorological Satellite (Japan)
GOES	Geostationary Operational Environmental Satellite
GTS	Global Telecommunications Service
GUI	Graphical User Interface
HIF	Historical Instrument File
HIRS/3	High Resolution Infrared Radiation Sounder Version 3
HRPT	High Resolution Picture Transmission
HTML	Hyper Text Markup Language
HV	High Voltage
HVPS	High Voltage Power Supply
Hz	Hertz
I/O	Input/Output
ICE	Inductosyn Control Electronics
ICT	Internal Cold Target
IF	Intermediate Frequency
IFC	In-Flight Calibration

IFOV	Instantaneous Field of View
IMP	Instrument Mounting Platform
IMS	Ice Mapping System
IMU	Inertial Measurement Unit
in	inch
IPD	Information Processing Division
IR	InfraRed
IRR	InterRange Ratio
ITT-A/CD	International Telephone and Telegraph - Aerospace/Communications Division
IWT	Internal Warm Target
JIC	Joint Ice Center
K	Kelvin
Ka	kilo amperes
kbps	kilobits per second
keV	kilo electron volts
kg	kilograms
kHz	kilo Hertz
km	kilometer
kpps	kilo pulses per second
KWBC	National Weather Service Telecommunications Gateway
LAC	Local Area Coverage
lbs	pounds
LED	Light Emitting Diode
LIFO	Last In First Out
LOS	Line of Sight Loss of Signal

LRC	Longitude Rotation Convention
LS	level sensor
LSB	Least Significant Bit
LSP	Least Significant Portion
LST	Local Solar Time
LUT	Local User Terminals
LVPS	Low Voltage Power Supply
LW	LongWave
MASS	Microwave and Antenna Subsystem
max	maximum
mb	millibars
mbps	Megabits per second
MDD	Meteorological Data Distribution
MDE	Motor Drive Electronics
MEPED	Medium Energy Proton and Electron Detector
MeV	Milli electron volt
MFP	Major Frame Pulse
MHz	mega Hertz
mi	mile
MIRP	Manipulated Information Rate Processor
mm	millimeter
mps	meters per second
mr	milliradian
MSB	Most Significant Bit
msec	microsecond
MSP	Most Significant Portion

MSU	Microwave Sounding Unit
MTF	Modulation Transfer Function
mux	multiplexer
MW	microwave
N/A	Not Available
NASA	National Aeronautics and Space Administration
NCDC	National Climatic Data Center
NCEP	National Center for Environmental Prediction
NEΔN	Noise Equivalent Radiance
NEΔT	Noise Equivalent Delta Temperature
NESDIS	National Environmental Satellite, Data and Information Services
NH	Northern Hemisphere
NIC	National Ice Center
NIST	National Institute of Standards and Technology
nm	nanometers
NMC	National Meteorological Center
NOAA	National Oceanic and Atmospheric Administration
NOAASIS	NOAA Satellite Information System
NODC	National Oceanographic Data Center
NOHRSC	National Operational Hydrologic Remote Sensing Center
NORAD	North American Air Defense Command (currently USSC)
NRZ-L	Non-return to zero level
NRZ	Non-return to zero
NWS	National Weather Service
OIG	Orbital Interest Group
OLR	Outgoing Longwave Radiation

OOPS	Operational Ozone Product System
ORA	Office of Research and Applications (NOAA/NESDIS)
OSDPD	Office of Satellite Data Processing and Distribution (NOAA/NESDIS)
OT	Optical Thickness
PACS	Polar Acquisition and Control Subsystem
PC37DF	Primary Component 37 Day File
PCB	Printed Circuit Board
PDPS	Polar Data Processing System
PEU	Processing Electronics Unit
PH37DF	Primary Histogram 37 Day File
PHD	Pulse Height Discriminators
PLLO	phase locked loop oscillators
PM	Phase Modulated
PMF	Product Master File
PMT	Photo Multiplier Tube
PMW	Position Mode Wavelength
PN	pseudo noise
POES	Polar-orbiting Operational Environmental Satellites
Pps	pulses per second
PROM	Programmable Read-Only Memory
PRT	Platinum Resistance Thermometers
PSB	Product Systems Branch
PSE	Power Supply Electronics
PSG	Polar Stereographic
PSU	Power Supply Unit
PWR	Power

QC	Quality Control
RAM	Random Access Memory
RAOB	radiosonde observation
RBPGS	Radiation Budget Product Generation System
RCE	Reaction Control Equipment
RCS	Reaction Control System
REF	Reference
RF	Radio Frequency
RFI	Radio Frequency Interference
rms, RMS	root mean square
ROM	Read Only Memory
rpm	revolutions per minute
RPU	Receiving and Power Unit
RSS	Reaction Support Structure
RTOVS	Revised TIROS Operational Vertical Sounder
RTTY	Radio-Teletype
RWA	Reaction Wheel Assemblies
RWM	Read Write Memory
s/c	spacecraft
S/N	Signal to noise ratio
SA	Solar Array
SAA	Satellite Active Archive Solar Azimuth Angle
SAD	Solar Array Drive
SAR	Search And Rescue
SARP-2	Search and Rescue Processor
SARR	Search and Rescue Repeater

SARSAT	Search And Rescue Satellite Aided Tracking
SATCU	Solar Array Telemetry Commutator Unit
SBA	Spin Bearing Assembly
SBUV/2	Solar Backscatter Ultraviolet Version 2
SCF	Satellite Control Facility (USAF)
SDEV	Standard deviation
SDR	Sensor Data Record
SEA	Solar Elevation Angle
sec	second
SEC	Space Environment Center
SEM-2	Space Environment Monitor Version 2
SGP4	Simplified General Perturbation
SH	Southern Hemisphere
SLA	Search and Rescue L-Band Antenna
SM	Sensor Module
SMSO	Sweep Mode Solar Observations
SOA	S-Band Omni Antenna
SOCC	Satellite Operations Control Center
SPN	Shared Processing Network
SPU	Signal Processing Unit
sr	steradian
SRA	SAR Receiver Antenna
SSB	Satellite Services Branch (NCDC)
SSBUV	Space Shuttle SBUV
SSD	Satellite Services Division Solid State Detector
SSM/T2	Special Sensor Microwave/Water Vapor Profiler

SSM/T	Special Sensor Microwave/Temperature
SSM/I	Special Sensor Microwave/Imager
SSP	Sub-Satellite Point
SST	Sea Surface Temperature
SSU	Stratospheric Sounding Unit
STU	Scan Timing Unit Standard Time Unit
STX	Station Transmission Assembly
SUBCOM	subcommutator
SW	Short Wave
SZA	Solar Zenith Angle
T/V	Thermal/Vacuum
TBD	To Be Determined
TBUS	TIROS Bulletin United States
TCE	Thermal Control Electronics
TCS	Thermal Control Systems
TDR	Temperature Data Record
TED	Total Energy Detector
TIP	TIROS Information Processor
TIROS	Television Infrared Observation Satellite
TLE	Two-line Elements
TLM	Telemetry
TOVS	TIROS Operational Vertical Sounder
TU	Transport Units
UDA	UHF Data collection system Antenna
UEF	User Ephemeris File
UHF	Ultra High Frequency

URL	Uniform Resource Locator
USAF	United States Air Force
USO	Ultra Stable Oscillator
USSC	U.S. Space Command (formerly NORAD)
UTC	Coordinated Universal Time (same as GMT)
UV	UltraViolet
V/C	Vector Control
V	volt
VAFB/WR	Vandenberg Air Force Base / Western Range
VCO	Voltage Controlled Oscillator
VDC	volts DC
VHF	Very High Frequency
VHRR	Very High Resolution Radiometer
VIS	visible
VPD	Vacuum Photo Diode
VRA	VHF real-time antenna
VS	Variable block Span (IBM)
VTF	Vacuum Test Fixture
VTX	VHF real-time transmitter
W	watts
WEFAX	Weather Facsimile (from meteorological satellites)
WLC	Wavelength Calibration
WMO	World Meteorological Organization
WR	Western Range
WWW	World Wide Web
XBT	Expendable BathyThermograph

XSU	Cross Strap Unit

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